



MAINE YANKEE ATOMIC POWER COMPANY •

RR No. 2, Box 3270  
Wiscasset, Maine 04578  
207-882-6321

August 19, 1982

MN-82-165

United States Nuclear Regulatory Commission  
Directorate of Regulatory Operations  
Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Reference: License No. DPR-36 (Docket No. 50-309)

Dear Sir:

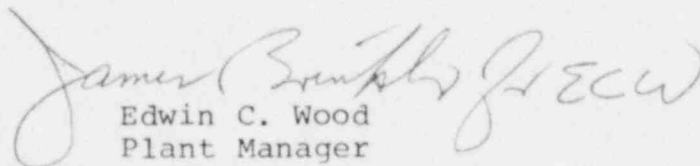
Subject: Maine Yankee Reportable Occurrence 82-23/01T-0

Pursuant to the requirements of Technical Specification 5.9.1.6.I, the Maine Yankee Atomic Power Company hereby submits the following report.

The Maine Yankee Cycle 6 Main Steam Line Break (MSLB) Analysis, assumes that the potential moderator reactivity addition following a MSLB from any power level is limited to the portion of the moderator defect curve below the reactor coolant average temperature associated with operation at the programmed cold leg temperature ( $T_c$ ) for that power level. The analysis did not take into account the potential increase in moderator defect reactivity addition if  $T_c$  is higher than the  $T_c$  programmed value, which it could be when temperature is used to control reactivity. To assure adequate shutdown margin CEA insertion will be restricted to the PDIL limit corresponding to the power level associated with the higher  $T_c$  in the normal  $T_c$  program.

Very truly yours,

MAINE YANKEE ATOMIC POWER COMPANY

  
Edwin C. Wood  
Plant Manager

ECW/ps

8208260271 820819  
PDR ADOCK 05000309  
S PDR

1E29